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November 9, 2005
Job No. 3034.01

Mr. Jack Tipple
Tipple Motors, Inc.
P.O. Box 855
Ferndale, California 95536

Subject: **Summary Report of Investigation / Monitoring Well Installation**
Tipple Motors, Inc., 524 Main Street, Ferndale, California
LOP # 12052

Dear Mr. Tipple:

This report presents the results of the recent investigation performed at the subject site. The site is approximately located as shown on the attached Site Location Map, Plate 1. The scope of work performed was based on a July 5, 2005 letter from Mr. Mark Verhey with the Humboldt County Department of Health and Human Services - Division of Environmental Health (HCDHHS-DEH).

Site Description

The site is located in a light commercial and retail district within the city limits of Ferndale, California. Residential properties are present within 50 feet of the site. The site is generally flat and currently contains a single story structure that houses an automotive repair facility, a real estate office, and a service station with an above ground gasoline storage tank and fuel dispenser. The site is bordered to the north by Main Street, to the south by a gravel lot/alley and residential housing, to the east by the Ferndale Post Office and commercial buildings, and to the west by Washington Street. The site and general site features are shown on the attached Site Plan, Plate 2.

Local Geology and Hydrogeology

Published geologic data reviewed indicates the site is underlain by estuarine deposits which consist of silty sands and clayey silts. Underlying the estuarine deposits is the Hookton Formation, consisting of weakly consolidated marine sands with minor pebbly beds and clay strata. Our previous test borings encountered estuarine deposits to the depths explored, consisting mainly of grey silty clay with occasional interbeds of silt and clayey sand.

Calculated groundwater elevation measurements indicate that ground water at the site is at shallow depth, ranging from about 3.8 to 5.9 feet below ground surface (BGS), with the direction of flow generally to the southeast.

Background

It is our understanding that on September 1978, two 4,000-gallon gasoline USTs were installed at the site. Two 550-gallon gasoline USTs were abandoned in-place on the same date by filling them with pea gravel and topping them off with a concrete slurry. Soil samples were collected in June of 1988 to fulfill HCDEH tank closure requirements. Analysis of these samples detected total petroleum hydrocarbons (TPH) as gasoline at concentrations as high as 6,100 milligrams per kilogram (mg/Kg). In an April 19, 1993 letter, Mr. Jim Clarke of HCDEH requested a soil and groundwater investigation be implemented at the site.

In November and December 1993, TTC performed a preliminary site investigation which consisted of drilling seven soil borings (SB-1 through SB-7) and installing two groundwater monitoring wells (MW-1 and MW-2) in the vicinity of the abandoned USTs. Soil boring and well locations are approximately shown on Plate 2. The results of our preliminary investigation were presented in a June 16, 1995 Summary Report.

In July and August of 1996, TTC performed additional investigation by drilling nine additional test borings (SB-8 through SB-17) and converting three of the borings (SB-15 through SB-17) to monitoring wells MW-3 through MW-5. The results of our investigation were summarized in a December 3, 1996 Summary Report.

On September 25 through 29, 1997, Haberstock Construction of Fortuna, California, removed the two active 4,000-gallon and two inactive 550-gallon USTs located on the site. During the excavation procedures, the gasoline pump island, hydraulic auto hoist, and approximately 590 cubic yards of contaminated soil were removed from the vicinity of the former USTs. The results of the excavation activities and laboratory sample results were presented in our October 24, 1997 Summary Report. Approximate excavation limits and former tank locations are shown on Plate 2.

On September 29 through October 1, 1997, Haberstock Construction backfilled the excavation with clean imported fill. Stabilization fabric was placed into the excavation at 8 feet below ground surface (BGS). TTC applied 630 pounds of Oxygen Release Compound (ORC) to the backfill material, placed from the bottom of the excavation to the top of the capillary fringe zone, estimated at about 4 feet BGS.

On October 7 and 8, 2002, TTC and Clear Heart Drilling of Santa Rosa, in order to further investigate and delineate the extent of the groundwater impact in the northwesterly, westerly, and southwesterly directions, advanced five soil borings (SB-18 through SB-22) and two monitoring wells (MW-6 and MW-7)at the approximate locations shown on Plate 2.

On October 30, 2004, TTC advanced one soil boring (SB-23) in order to further delineate the extent of the groundwater impact in the easterly direction underneath the existing structure.

The soil and groundwater samples collected during the November/December 1993 preliminary site investigation and the July/August 1996 additional site investigation were analyzed for total petroleum hydrocarbons (TPH) as gasoline, the volatile organic compounds: benzene, toluene,

ethylbenzene, and xylenes (BTEX) and total lead (Pb) using EPA Test Methods 8015/8020/7421. The results are presented in units of milligrams per kilogram (mg/kg) and micrograms per kilogram (µg/kg) for soil and milligrams per liter (mg/L) and micrograms per liter (µg/L) for water.

Soil and groundwater samples collected during the October 2002 and October 2004 additional site investigations were analyzed for TPH as gasoline, TPH as diesel, BTEX, and the additional oxygenated fuel additives including methyl tert-butyl ether (MtBE) and lead scavengers including1,2-dichloroethane by EPA Test Methods 8015/8020/8260. The results are presented in units of mg/kg for soil and µg/L for water.

Historic soil sample analytical results are presented in Appendix A. Historic groundwater analytical results from the aforementioned site investigations are presented in Appendix B.

Field Activities

On July 19, 2005, TTC staff were onsite to advance one monitoring well, MW-8, for the purpose of delineating soil and groundwater impact under the existing structure in the proximity of soil boring B-8. In addition, the monitoring well will provide data necessary to determine the efficacy of the remediation system. The approximate location of MW-8 is shown on Plate 2.

After an area of the existing flooring was removed for access, MW-8 was advanced using a hand auger. Our geologist observed the augering procedures and collected soil samples for classification every six inches and performed petroleum hydrocarbon screening with a PID. Soil samples were classified according to the Unified Soil Classification System and recorded on the attached Boring Log, MW-8, Plate 3. In general, the soils encountered consisted of light brown to gray clayey silts and clayey sandy silts from the surface down to approximately 13 feet BGS. The clayey/sandy silts were underlain to approximately 15 feet BGS by a gray silty clay. Initial free water was encountered at approximately 5 feet BGS and the final depth of hand augering reached approximately 15 feet BGS. Grab soil samples collected for chemical analysis were obtained in areas of obvious contamination, just above free groundwater, and at pronounced changes in soil type. Soil samples collected for laboratory chemical analysis were recovered in pre-cleaned stainless steel tubes. Upon recovery, the sample tubes were then capped with non-adhesive Teflon tape and plastic caps, labeled, and placed on ice. In addition, a secondary soil sample was immediately extracted and placed in a preserved VOA vial pursuant to EPA 5035 protocol. Soil samples were transported under chain of custody documentation to Alpha Analytical Laboratories for chemical analysis.

Sampling equipment was cleaned with a phosphate-free detergent solution and double rinsed with clean water. Rinsate water and soil cuttings generated by the investigation were stored onsite in 55 gallon DOT-approved drums, pending disposal.

Monitoring Well Construction

The well was constructed in general accordance with State and local guidelines and with the attached Monitoring Well Completion Diagram, Plate B. The monitoring well extends approximately 10 feet below free groundwater and extends to total depth of approximately 15 feet BGS. The well was constructed of 1-inch diameter, Schedule 40 PVC casing. The screened portion of the wells has 0.020-inch machined slots with Lone Star Sand #2/12 placed in the annular space. The screened portion of the wells extends from the bottom of the well to approximately 5 feet BGS. The sand pack extends from the bottom of the wells to approximately 1 foot above the screened portion. A 1-foot thick bentonite seal was placed above the sand pack, and the remainder of the well annulus space was filled with a cement grout seal. The well casing extends to approximately 2 feet above ground and was fitted with a water proof locking cap. The existing floorboards were then replaced in a manner that would allow access for monitoring and sampling.

Monitoring Well Development and Sampling

The monitoring well MW-8 was developed on July 21, 2005 by surging and bailing until the produced water became relatively sediment free. On September 22, 2005, groundwater samples were collected from the monitoring wells (wells) MW-1 through MW-8 at the subject site as part of the ongoing semi-annual sampling schedule. Prior to sampling, the static water level was measured and checked for the presence of free product using an oil/water interface probe. No free product was detected during this monitoring event. To produce representative samples prior to sampling, well MW-8 was purged of approximately three well casing volumes using a disposable bailer. In addition, indicator parameters including the temperature, pH, and conductivity were measured during purging and recorded on the attached Groundwater Field Sampling Form, Appendix C. The water level was allowed to sufficiently recover prior to sample collection. Groundwater samples were collected using a new disposable bailer and transferred to the appropriate containers supplied by the laboratory. The groundwater samples were labeled, stored on ice, and transported under Chain-of-Custody documentation to Kiff Analytical LLC (Kiff) of Davis, California for chemical analysis. Purge groundwater generated during the sampling of the wells was stored onsite in 55-gallon DOT approved drums, pending disposal. Monitoring and analytical results for the September 22, 2005 sampling event will be published under separate cover as *3rd Quarter 2005 Monitoring Report.*

Gradient Determination

The top of the well casing on MW-8 will need to be surveyed to 0.01 of a foot relative to mean sea level as soon as possible. The location of the well will also be surveyed utilizing Global Positioning Systems (GPS) to within sub-meter accuracy. Water level measurements will be collected from all seven wells and will be used with the survey data to evaluate the direction of groundwater flow and the slope of the potentiametric surface in the direction of flow. The TOC elevation data, the GPS data and the water level elevation data will also be submitted electronically to the Geotracker database as required by Title 23, Division 3, Chapter 16, Article 12 of the California Code of Regulations.

Laboratory Chemical Analysis

Two soil samples and a groundwater sample collected from well MW-8 were submitted for laboratory chemical analysis. The samples were analyzed for TPH as gasoline(g), TPH as diesel(d), BTEX, the five oxygenated fuel additives including MtBE, and lead scavengers by EPA Test Methods 8015/8260. One soil sample was collected and preserved using EPA 5035 protocols. The analytical results of the soil and groundwater samples collected are tabulated in units of milligrams per kilogram (mg/kg) for soil and micrograms per liter (µg/L) for groundwater. The Alpha laboratory analytical report for soil samples collected on July 19, 2005, including the chain of custody documentation is presented in Appendix D. The Kiff laboratory analytical report for groundwater samples collected on September 22, 2005, including the chain of custody documentation is presented in Appendix E.

Soil Sample Results

Date	Sample ID	TPH-g	TPH-d	B	T	E	X	MtBE
		mg/kg						
07/19/05	MW-8-5	**3,000**	**580***	<17	<17	<17	<17	<17
	MW-8-14.5	**5.9**	**5.7**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050**

< = not detected at or above the indicated laboratory detection limit.
* = results in the diesel organics range are primarily due to overlap from a gasoline range product.
** = di-isopropyl ether detected at 0.65 mg/kg and 1,2-dichloroethane detected at 0.028 mg/kg.

Groundwater Sample Results

Date	Sample ID	TPH-g	TPH-d	B	T	E	X	MtBE
		µg/L						
09/22/05	MW-8	**12,000**	<3,000	**680**	**58**	**400**	**390**	**<2.0****

< = not detected at or above the indicated laboratory detection limit.
* = results in the diesel organics range are primarily due to overlap from a gasoline range product.
** = additional oxygenated fuel additives and lead scavengers detected (see laboratory report).

Discussion

The analysis results confirm petroleum hydrocarbon impact in shallow soils and groundwater within the interior of the building footprint. Further, the current data along with previous investigation data indicate that the zone of impact extends not only beneath the office area, but also beneath the garage area. We will continue to monitor and sample groundwater in well MW-8 on a monthly basis to evaluate the remediation system and determine the rate of degradation of the contaminant plume.

Based upon requests made in the July 5, 2005 letter from Mr. Mark Verhey of the HCDHHS-DEH, we are scheduled to install another monitoring well in the vicinity of soil boring B-23. The work is being performed in conjunction with ongoing site remediation activities. Those activities are being reported under separate cover.

We appreciate the opportunity to be of service to you and trust this report provides the information you require at this time. If you have any questions, or need any additional information, please don't hesitate to contact us at (707) 575-8622 or www.transtechconsultants.com.

Sincerely,
TRANS TECH CONSULTANTS

Brian R. Hasik
Staff Geologist

Bill C. Wiggins, PE
Registered Civil Engineer

REGISTERED PROFESSIONAL ENGINEER
WILLIAM CLYDE WIGGINS
No. CE46344
Exp. 12-31-06
CIVIL
STATE OF CALIFORNIA

ROI_3034_01_110905

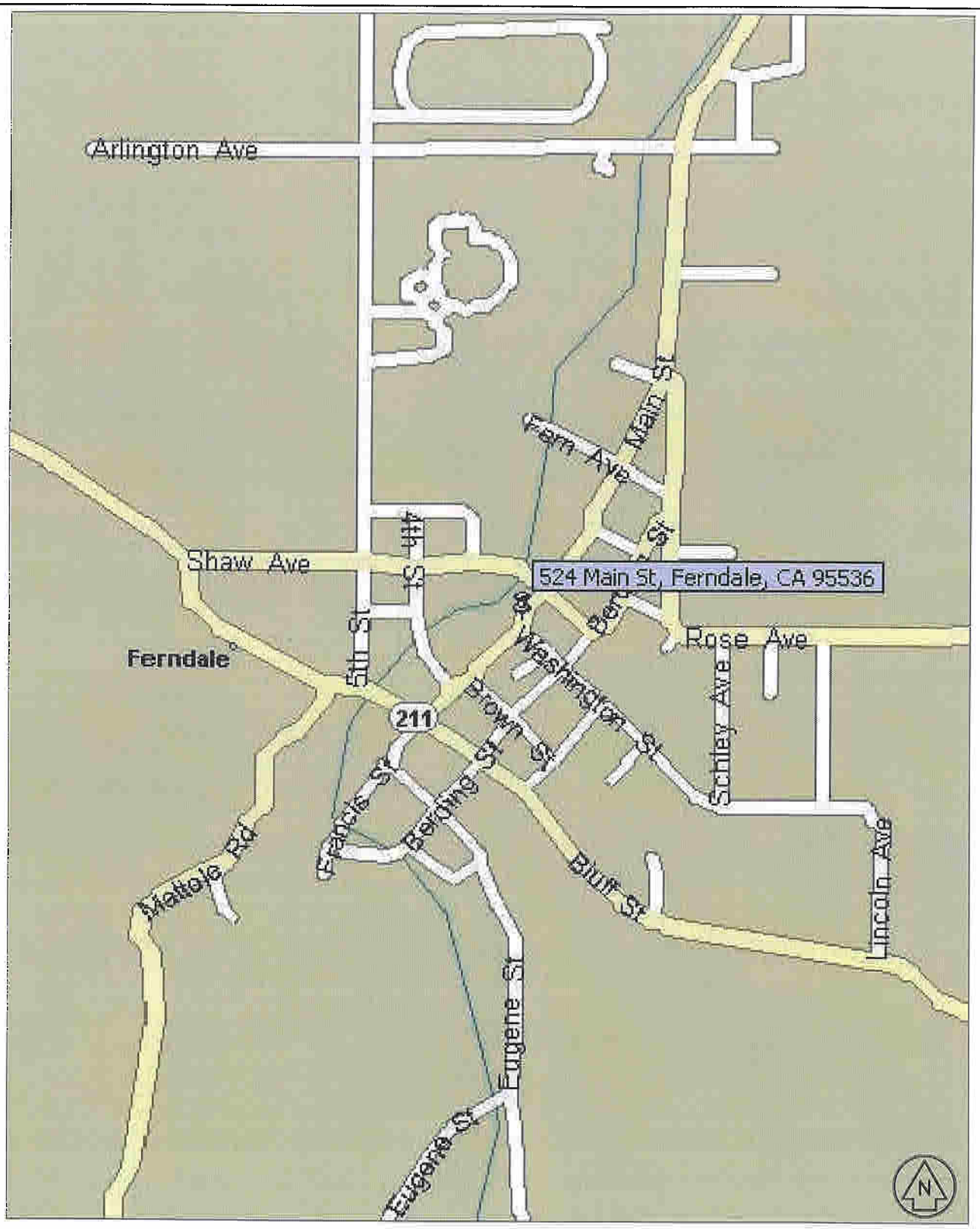
Attachments:

Plate 1, Site Location Map
Plate 2, Site Plan
Plate 3, Boring Log MW-8
Plate 4, Well Completion Diagram MW-8
Appendix A, Historic Soil Sample Results
Appendix B, Historical Site Investigation Groundwater Analytical Results
Appendix C, Groundwater Field Sampling Form - MW-8
Appendix D, Alpha Analytical Laboratories Report dated August 5, 2005
Appendix E, Kiff Analytical LLC Report dated October 3, 2005

cc:

Mr. Mark Verhey, CEG
Humboldt County Department of Public Health
Division of Environmental Health
100 H Street, Suite 100
Eureka, California 95501

North Coast Regional Water
Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403



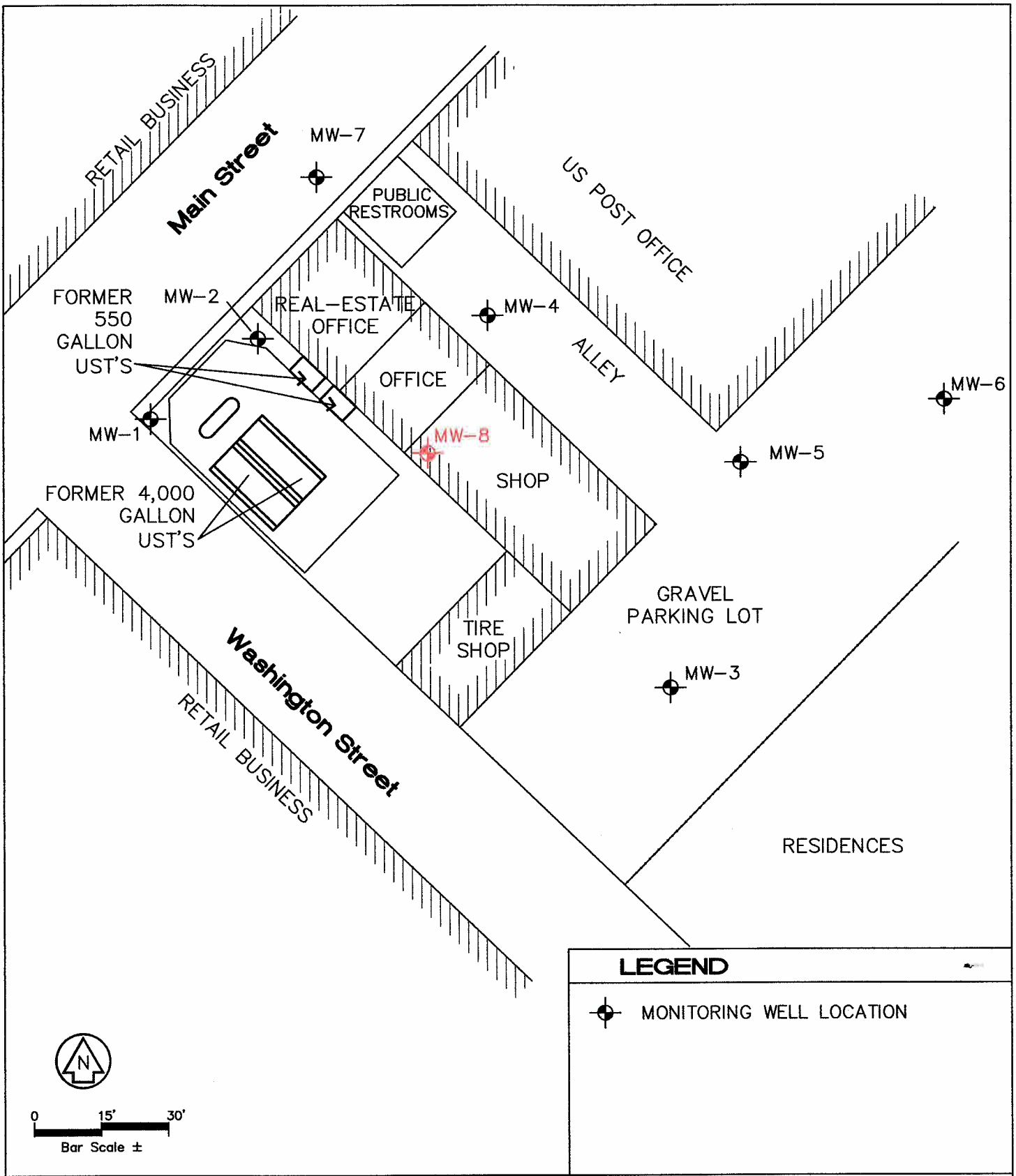
TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE LOCATION MAP

TIPPLE MOTORS
524 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: 1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	3034.01 SLM	LSH	3034.01	A-264		10/9/03



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930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN

TIPPLE MOTORS, INC.
524 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: 2

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	3034.01 SP	BRH	3034.01	A-609		10/21/05

Date: 7/19/05
Logged By: BRH
Drill Start Time: 1:30PM
Drill End Time: 5:00PM

BORING No.
MW-8

Boring Location – See Site Plan

See Unified Soil Classification System (USCS) for Legend and information not noted.

Drilling Contractor: TRANS TECH
Driller's Name: BRIAN HASIK
Drilling Method: HAND AUGER
Sampling Method: GRAB
Hammer Weight, lbs. N/A

MW Installed: Y ☒ N ☐ if no, boring filled with:
Cement ☐ Bentonite: Cement ☐ Grout ☐ Chips ☒
Auger Depth, ft: 15 Total Depth, ft: 15
Hydropunch Int., ft: NA Temp Screen, ft: NA

Notes:

Sample	Sample Condition	Inches Recovered	C = CMSSS SP = Std. Pin	Blows / 6 in.	Initial Free Water	Static Water	PID (ppm) maximum, not stabilized	Odor	Discolored	USCS Soil Class.	Depth in Feet	Graphic Log	Estimated Gravel, %	Estimate Sand, %	Estimated Silt, %	Estimated Clay, %	Description: Soil Type (USCS); Color; Moisture Condition (dry, moist, wet); Relative Density – sand & gravel (v. loose, loose, m. dense, dense, v. dense); Consistency – silt & clay (v. soft, soft, m. stiff, stiff, v. stiff, hard)
☒								No	No		1				60	40	LIGHT BROWN MOIST CLAYEY SILT
☒											2						
☒											3						
☒								YES	YES		4						
☒											5						
■					V	▼	126				6			30	50	20	GRAY WET CLAYEY SANDY SILT
☒											7						
☒											8						
☒							21	?	?	ML	9			40	50	10	GRADES INTO TAN/GRAY MOTTLED SATURATED SANDY SILT ODOR DECREASES
☒											10						
☒											11						
☒											12						
☒								?	?		13						
☒								No	No		14						
■							4.6			CL	15				40	60	BECOMES GRAY WET SILTY CLAY
☒											16						

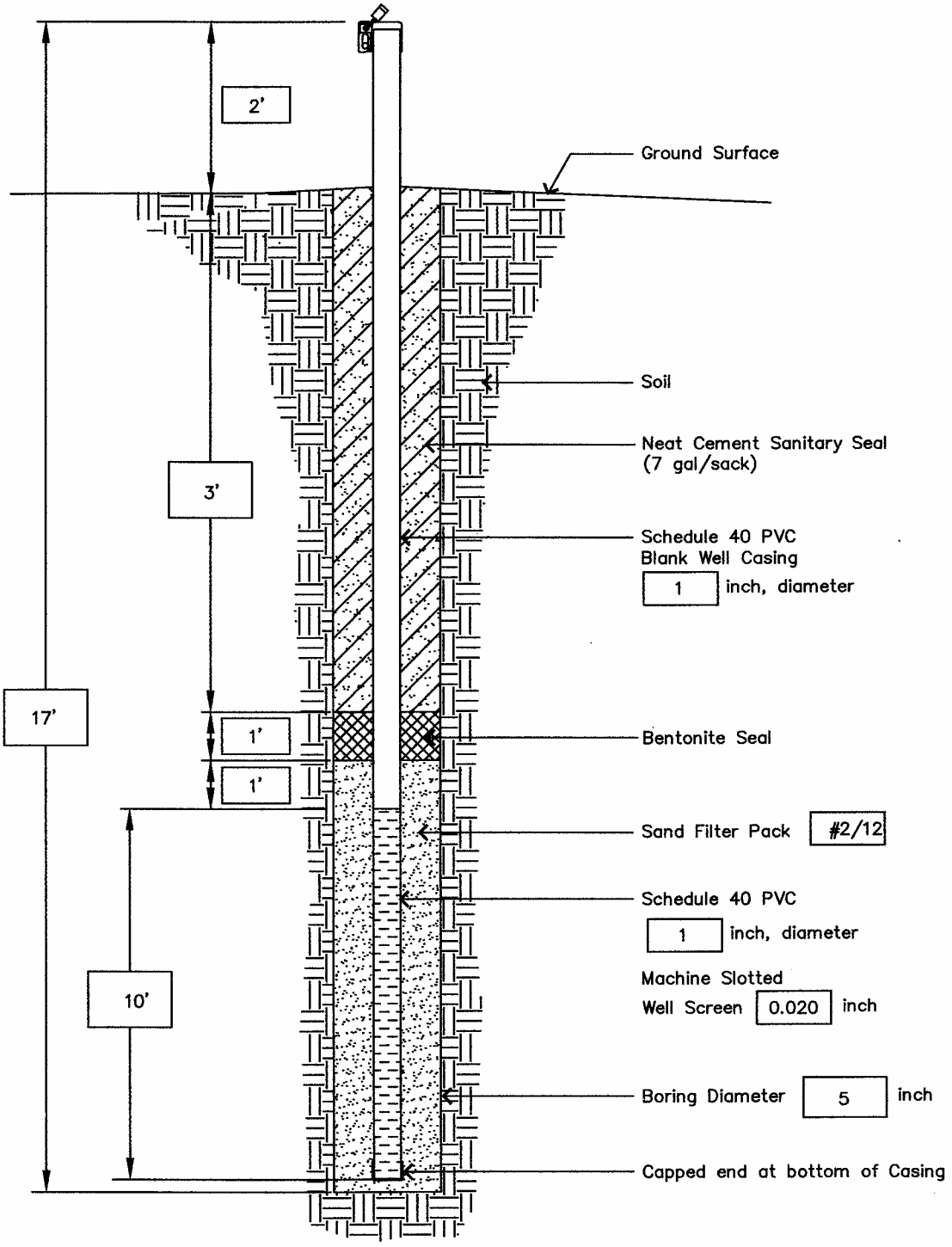
TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

BORING LOG MW-8

TIPPLE MOTORS
524 MAIN STREET
FERNDALE, CA

PLATE: A

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	3034.01 BL	BRH	3034.01	A-809		7/26/05



NOT TO SCALE

See text for information not noted

TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

WELL COMPLETION DIAGRAM

TIPPLE MOTORS
525 MAIN STREET
FERNDALE, CA

PLATE: B

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	3034.01 WCD	BRH	3034.01	A-809		7/26/05

APPENDIX A

Appendix A: Historic Soil Sample Analytical Results

Date	Sample ID	Depth	TPH as Gasoline	B	T	E	X	Pb
		feet	mg/Kg	µg/Kg				mg/Kg
11/16/93	SB-1	5.5	**1.2**	**73**	**5.2**	**20**	**15**	**90**
	SB-2	5.5	**1,400**	<250	<250	**13,000**	<250	**12**
	MW-1	7.5	<1	<2.5	<2.5	<2.5	<2.5	**4.6**
11/17/93	MW-2	7.0	**3.4**	**650**	**20**	**130**	**190**	**4.7**
	SB-3	4.0	**570**	**5,200**	**1,100**	**7,400**	**32,000**	**10**
	SB-4	4.0	**170**	<250	<250	**1,400**	**1,700**	**11**
	SB-5	7.0	**3.1**	**980**	**4.5**	**25**	**25**	**4.3**
	SB-6	4.0	**4.5**	<2.5	<2.5	<2.5	<2.5	**72**
	SB-7	6.5	**600**	**1,500**	<500	3,500	2,500	5.0
7/10/96	SB-8	11.5	**1,400**	**7,800**	**4,800**	**35,000**	**16,000**	**10**
	SB-9	4.5	**420**	<250	**390**	<250	<250	**8.6**
	SB-9	15.5	<1.0	<2.5	<2.5	<2.5	<2.5	**5.6**
	SB-10	12.0	**1.8**	**200**	**9.4**	**15**	**20**	**6.4**
	SB-11	12.0	**1.6**	**65**	**5.4**	**16**	**9.2**	**6.7**
	SB-13	7.5	**1.0**	**87**	<2.5	**5.4**	**6.0**	**5.1**
	SB-14	**6.5**	**60**	**56**	<2.5	**72**	**61**	**6.2**
8/16/96	SB-17	**6.0**	<1.0	<2.5	<2.5	<2.5	<2.5	**5.8**

< = Not detected above the indicated laboratory reporting limit.

Appendix A continued

Date	Sample ID	TPH-gasoline	TPH-diesel	B	T	E	X	MtBE
		mg/Kg						
10/07/02	MW-6-4'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	MW-6-9'	<1.0	<5.0	<0.002	<0.002	<0.002	**3.9**	<0.002*
	SB-18-5'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	SB-18-9'	<1.0	<5.0	<0.002	<0.002	<0.002	**3.8**	<0.002
	SB-19-4'	<1.0	<5.0	<0.002	<0.002	<0.002	**3.0**	<0.002
	SB-19-9'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
10/08/02	MW-7-4'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	MW-7-9'	<1.0	<5.0	<0.002	<0.002	<0.002	**2.8**	<0.002
	SB-20-3.5'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	SB-20-7'	<1.0	<5.0	<0.002	<0.002	<0.002	**3.7**	**12***
	SB-21-4'	<1.0	<5.0	<0.002	<0.002	<0.002	**3.9**	<0.002
	SB-21-6'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	SB-22-4'	<1.0	<5.0	<0.002	<0.002	<0.002	**3.7**	<0.002
	SB-22-9'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
10/30/04	SB-23-4.5	**3,600**	**410****	<43	<43	**76**	**430**	<43
	SB-23-7	**52**	**3.9**	**1.7**	<0.87	**1.2**	**4.8**	<0.87
	SB-23-8	**3.0**	<1.0	<0.0031	<0.0031	<0.0031	<0.0031	<0.0031***

* Additional oxygenated fuel additives were detected above the laboratory detection limit, see laboratory report for details.
** = results in the diesel organics range are primarily due to overlap from a gasoline range product.
*** = di-isopropyl ether detected at 0.0035 mg/kg.

APPENDIX B

Appendix B: Historic Site Investigation Groundwater Analytical Results

Date	Sample ID	TPH as Gasoline	B	T	E	X	Pb
		mg/L	µg/L				mg/L
12/27/93	MW-1	**0.07**	<0.5	<0.5	<0.5	<0.5	<0.002
	MW-2	**6.3**	**1,100**	**78**	**16**	**610**	**0.030**
07/10/96	SB-8	**80**	**5,500**	**630**	**3,400**	**1,200**	NA
	SB-9	**16**	**790**	**52**	**280**	**190**	NA
	SB-10	**0.78**	**99**	**1.9**	**2.0**	**3.8**	NA
	SB-11	**0.60**	**19**	**2.0**	**2.2**	**2.2**	NA
	SB-12	<0.05	<0.50	<0.50	<0.50	<0.50	NA
	SB-13	**2.6**	**330**	**15**	**24**	**15**	NA
08/30/96	MW-1	**0.06**	<0.5	<0.5	<0.5	<0.5	**0.012**
	MW-2	**11**	**3,900**	**200**	**550**	**1,100**	**0.012**
	MW-3	<0.05	<0.5	<0.5	<0.5	<0.5	<0.002
	MW-4	**0.12**	**4.9**	<0.5	**0.6**	**0.7**	**0.004**
	MW-5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.002

< = Not detected above the indicated laboratory reporting limit.
NA = Not analyzed.

Appendix B continued

Date	Sample ID	TPH-gasoline	TPH-diesel	B	T	E	X	MtBE	1,2-dichloroethane
		µg/L							
10/07/02	SB-18	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	SB-19	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	NA
10/08/02	SB-20	**78**	<50	<1.0	<1.0	<1.0	<1.0	**64***	NA
	SB-21	**88**	<50	<1.0	<1.0	<1.0	<1.0	**2.3**	NA
	SB-22	<50	<50	<1.0	<1.0	<1.0	**1.0**	<1.0	NA
12/02/02	MW-1	<50	<65	<0.30	<0.30	<0.50	<0.50	**38***	<50
	MW-2	**29,000**	**1,600**	**6,000**	**110**	**960**	**1,200**	<50*	**99**
	MW-3	<50	<65	<0.30	<0.30	<0.50	<0.50	<0.50*	<0.50
	MW-4	**350**	**320**	**25**	**0.73**	**1.9**	**1.0**	**45***	**1.0**
	MW-5	**190**	**320**	**0.35**	<0.30	**0.58**	<0.50	<0.50*	<0.50
	MW-6	<50	<65	<0.30	<0.30	<0.50	<0.50	<0.50*	<0.50
	MW-7	<50	<100	<0.30	<0.30	<0.50	<0.50	**0.61**	<0.50
10/30/04	SB-23	**28,000**	**3,500****	**2,100**	**390**	**1,500**	**3,500**	<50	<43

* = Additional oxygenated fuel additives were detected above the laboratory detection limit, see laboratory report for details.
** = results in the diesel organics range are primarily due to overlap from a gasoline range product.

APPENDIX C

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name:	3034.01 Ferndale Motors		**Well Number:** MW-8
Project Location:	524 Main Street Ferndale, California	**Casing Diameter:** 1"	**Well Depth from TOC (BP):** 16.80 **Well Depth from TOC (AP):**
Date: September 23, 2005		**Top of Screen:**	**Initial Well Depth:**
Sampled by (print and sign): Brian Hasik		**Product Thickness in inches:** 0	
		Water Level from TOC: 5.68	**Time:** 12:05
Notes: Hand purge Strong HC odor DO meter won't fit		**Water Level pre-purge:** 5.69	**Time:** 1:19
		Well Type: (Monitor) ☐ Extraction ☐ Other:	
		Well EL (TOC):	**Well Mat:** PVC

WEATHER

Wind: Yes / (No)	**Clouds:** (Yes) / No	**Sun:** (Yes) / No	**Precipitation in last 5 days:** Yes / (No)
Rain: Yes / (No)	**Fog:** (Yes) / No		

VOLUME OF WATER TO BE REMOVER BEFORE SAMPLING

(11.11) X (1)2 X 0.0408 = 0.45 gallons in one well volume

TD WL Dia. Inches

1.36 gallons in 3 well volumes (Approx. 0.6 gal/ft) 2 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
1:25	0.5	6.69	17.9	-105		1259	M
1:31	1	6.59	17.0	-99		1320	M
1:37	1.5	6.54	16.6	-74		1409	M
1:42	2	6.99	16.5	-64		1386	M
					N/A		

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 5.70 **Time:** 4:20

Appearance of Sample:

Bailer: Disposable **Pump:** 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: **Water:** 7 **Soil:** 1 **Other:** 0

APPENDIX D

3034.01 VM

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

05 August 2005

Trans Tech Consultants
Attn: Bill Wiggins
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
RE: Tipple Motors
Work Order: A507529

Enclosed are the results of analyses for samples received by the laboratory on 07/22/05 14:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nena M. Burgess For Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8-5	A507529-01	Soil	07/19/05 14:10	07/22/05 14:35
MW-8-14.5	A507529-02	Soil	07/19/05 14:15	07/22/05 14:35

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Nena M. Burgess For Sheri L. Speaks
Project Manager

8/5/2005

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Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-8-5 (A507529-01)			**Sample Type: Soil**			**Sampled: 07/19/05 14:10**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AG52911	07/29/05	07/30/05	10	**580 mg/kg**		**10**	D-06
TPH as Gasoline	8015GRO	AG52813	07/22/05	07/27/05	500	**3000 "**		**500**	
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AG52911*	*07/29/05*	*07/30/05*		*359 %*	*20-152*		*S-06*
Surrogate: 1,4-Bromofluorobenzene	*8015GRO*	*AG52813*	*07/22/05*	*07/27/05*		*87.8 %*	*60-156*		
Volatile Organic Compounds by EPA Method 8260B									**R-06**
Benzene	EPA 8260B	AG52606	07/22/05	07/24/05	3464	ND mg/kg		17	
Toluene	"	"	"	"	"	ND "		17	
Ethylbenzene	"	"	"	"	"	ND "		17	
Xylenes (total)	"	"	"	"	"	ND "		17	
Methyl tert-butyl ether	"	"	"	"	"	ND "		17	
Di-isopropyl ether	"	"	"	"	"	ND "		17	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		17	
Tert-amyl methyl ether	"	"	"	"	"	ND "		17	
Tert-butyl alcohol	"	"	"	"	"	ND "		350	
1,2-Dichloroethane	"	"	"	"	"	ND "		17	
Chlorobenzene	"	"	"	"	"	ND "		17	
1,3-Dichlorobenzene	"	"	"	"	"	ND "		17	
1,4-Dichlorobenzene	"	"	"	"	"	ND "		17	
1,2-Dichlorobenzene	"	"	"	"	"	ND "		17	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "		17	
Surrogate: Bromofluorobenzene	*"*	*"*	*"*	*"*		*121 %*	*64-151*		
Surrogate: Dibromofluoromethane	*"*	*"*	*"*	*"*		*77.5 %*	*68-133*		
Surrogate: Toluene-d8	*"*	*"*	*"*	*"*		*101 %*	*89-148*		
MW-8-14.5 (A507529-02)			**Sample Type: Soil**			**Sampled: 07/19/05 14:15**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AG52911	07/29/05	07/30/05	1	**5.7 mg/kg**		**1.0**	
TPH as Gasoline	5035/8015GRO	AH50111	07/19/05	07/30/05	"	**5.9 "**		**1.0**	
Surrogate: 1,4-Bromofluorobenzene	*"*	*"*	*"*	*"*		*105 %*	*60-156*		
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AG52911*	*07/29/05*	*07/30/05*		*44.4 %*	*20-152*		

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Project Manager

8/5/2005

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e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
MW-8-14.5 (A507529-02)		**Sample Type: Soil**				**Sampled: 07/19/05 14:15**		
Volatile Organic Compounds by EPA Methods 8260B/5035								
Benzene	EPA 8260B	AG52520	07/19/05	07/23/05	1	ND mg/kg	0.0050	
Toluene	"	"	"	"	"	ND "	0.0050	
Ethylbenzene	"	"	"	"	"	ND "	0.0050	
Xylenes (total)	"	"	"	"	"	ND "	0.0050	
Methyl tert-butyl ether	"	"	"	"	"	ND "	0.0050	
Di-isopropyl ether	"	"	"	07/24/05	"	**0.65 "**	**0.0050**	
Ethyl tert-butyl ether	"	"	"	07/23/05	"	ND "	0.0050	
Tert-amyl methyl ether	"	"	"	"	"	ND "	0.0050	
Tert-butyl alcohol	"	"	"	"	"	ND "	0.10	
1,2-Dichloroethane	"	"	"	"	"	**0.028 "**	**0.0050**	
Chlorobenzene	"	"	"	"	"	ND "	0.0050	
1,3-Dichlorobenzene	"	"	"	"	"	ND "	0.0050	
1,4-Dichlorobenzene	"	"	"	"	"	ND "	0.0050	
1,2-Dichlorobenzene	"	"	"	"	"	ND "	0.0050	
1,2-Dibromoethane (EDB)	"	"	"	"	"	ND "	0.0050	
Surrogate: Bromofluorobenzene	"	"	"	"		*106 %*	*74-138*	
Surrogate: Dibromofluoromethane	"	"	"	"		*95.9 %*	*75-137*	
Surrogate: Toluene-d8	"	"	"	"		*111 %*	*88-142*	

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Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52813 - EPA 5035 GC										
Blank (AG52813-BLK1)				Prepared & Analyzed: 07/27/05						
TPH as Gasoline	ND	1.0	mg/kg							
Surrogate: 1,4-Bromofluorobenzene	*3.69*		"	*4.00*		*92.2*	*60-156*			
LCS (AG52813-BS1)				Prepared & Analyzed: 07/27/05						
TPH as Gasoline	19.1	1.0	mg/kg	24.0		79.6	77-139			
Surrogate: 1,4-Bromofluorobenzene	*3.59*		"	*4.00*		*89.8*	*60-156*			
Matrix Spike (AG52813-MS1)	**Source: A507500-01**			Prepared & Analyzed: 07/27/05						
TPH as Gasoline	19.3	1.0	mg/kg	24.0	ND	80.4	72-138			
Surrogate: 1,4-Bromofluorobenzene	*3.94*		"	*4.00*		*98.5*	*60-156*			
Matrix Spike Dup (AG52813-MSD1)	**Source: A507500-01**			Prepared & Analyzed: 07/27/05						
TPH as Gasoline	17.1	1.0	mg/kg	24.0	ND	71.2	72-138	12.1	25	QM-07
Surrogate: 1,4-Bromofluorobenzene	*3.80*		"	*4.00*		*95.0*	*60-156*			
Batch AG52911 - CA LUFT - orb shaker										
Blank (AG52911-BLK1)				Prepared & Analyzed: 07/29/05						
TPH as Diesel	ND	1.0	mg/kg							
Surrogate: 1,4-Bromofluorobenzene	*5.18*		"	*11.6*		*44.7*	*20-152*			
LCS (AG52911-BS1)				Prepared & Analyzed: 07/29/05						
TPH as Diesel	44.0	1.0	mg/kg	39.2		112	63-126			
Surrogate: 1,4-Bromofluorobenzene	*6.82*		"	*11.6*		*58.8*	*20-152*			
Matrix Spike (AG52911-MS1)	**Source: A507593-01**			Prepared & Analyzed: 07/29/05						
TPH as Diesel	46.4	1.0	mg/kg	39.2	ND	118	61-134			

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Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52911 - CA LUFT - orb shaker										
Matrix Spike (AG52911-MS1)		**Source: A507593-01**		Prepared & Analyzed: 07/29/05						
Surrogate: 1,4-Bromofluorobenzene	*6.64*		*"*	*11.6*		*57.2*	*20-152*			
Matrix Spike Dup (AG52911-MSD1)		**Source: A507593-01**		Prepared: 07/29/05 Analyzed: 07/30/05						
TPH as Diesel	42.6	1.0	mg/kg	39.2	ND	109	61-134	8.54	20	
Surrogate: 1,4-Bromofluorobenzene	*5.72*		*"*	*11.6*		*49.3*	*20-152*			
Batch AH50111 - EPA 5035 GC										
Blank (AH50111-BLK1)				Prepared & Analyzed: 07/30/05						
TPH as Gasoline	ND	1.0	mg/kg							
Surrogate: 1,4-Bromofluorobenzene	*3.98*		*"*	*4.00*		*99.5*	*60-156*			
LCS (AH50111-BS1)				Prepared & Analyzed: 07/30/05						
TPH as Gasoline	20.3	1.0	mg/kg	24.0		84.6	77-139			
Surrogate: 1,4-Bromofluorobenzene	*4.18*		*"*	*4.00*		*104*	*60-156*			
LCS Dup (AH50111-BSD1)				Prepared & Analyzed: 07/30/05						
TPH as Gasoline	22.4	1.0	mg/kg	24.0		93.3	77-139	9.84	20	
Surrogate: 1,4-Bromofluorobenzene	*3.88*		*"*	*4.00*		*97.0*	*60-156*			

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Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52606 - EPA 5035 GCMS										
Blank (AG52606-BLK1)				Prepared & Analyzed: 07/23/05						**R-11**
Benzene	ND	0.87	mg/kg							
Toluene	ND	0.87	"							
Ethylbenzene	ND	0.87	"							
Xylenes (total)	ND	0.87	"							
Methyl tert-butyl ether	ND	0.87	"							
Di-isopropyl ether	ND	0.87	"							
Ethyl tert-butyl ether	ND	0.87	"							
Tert-amyl methyl ether	ND	0.87	"							
Tert-butyl alcohol	ND	17	"							
1,2-Dichloroethane	ND	0.87	"							
Chlorobenzene	ND	0.87	"							
1,3-Dichlorobenzene	ND	0.87	"							
1,4-Dichlorobenzene	ND	0.87	"							
1,2-Dichlorobenzene	ND	0.87	"							
1,2-Dibromoethane (EDB)	ND	0.87	"							
Surrogate: Bromofluorobenzene	*5.21*		"	*4.33*		*120*	*64-151*			
Surrogate: Dibromofluoromethane	*3.61*		"	*4.33*		*83.4*	*68-133*			
Surrogate: Toluene-d8	*4.52*		"	*4.33*		*104*	*89-148*			
LCS (AG52606-BS1)				Prepared & Analyzed: 07/23/05						
Benzene	1.75	0.87	mg/kg	1.73		101	72-123			
Toluene	1.81	0.87	"	1.73		105	72-126			
Ethylbenzene	1.81	0.87	"	1.73		105	71-125			
Xylenes (total)	5.25	0.87	"	5.19		101	67-127			
Methyl tert-butyl ether	1.83	0.87	"	1.73		106	71-127			
Di-isopropyl ether	1.84	0.87	"	1.75		105	62-99			QL-03
Ethyl tert-butyl ether	1.86	0.87	"	1.76		106	56-140			

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Project Manager

8/5/2005

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Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52606 - EPA 5035 GCMS										
LCS (AG52606-BS1)				Prepared & Analyzed: 07/23/05						
Tert-amyl methyl ether	1.79	0.87	"	1.79		100	66-129			
Tert-butyl alcohol	30.9	17	"	34.0		90.9	42-124			
1,2-Dichloroethane	1.68	0.87	"	1.73		97.1	69-125			
Chlorobenzene	1.80	0.87	"	1.73		104	76-117			
1,3-Dichlorobenzene	1.73	0.87	"	1.73		100	71-125			
1,4-Dichlorobenzene	1.83	0.87	"	1.73		106	81-117			
1,2-Dichlorobenzene	1.80	0.87	"	1.73		104	82-115			
1,2-Dibromoethane (EDB)	1.98	0.87	"	1.73		114	71-131			
Surrogate: Bromofluorobenzene	*4.89*		"	*4.33*		*113*	*64-151*			
Surrogate: Dibromofluoromethane	*3.45*		"	*4.33*		*79.7*	*68-133*			
Surrogate: Toluene-d8	*4.07*		"	*4.33*		*94.0*	*89-148*			
LCS Dup (AG52606-BSD1)				Prepared: 07/23/05 Analyzed: 07/24/05						
Benzene	1.76	0.87	mg/kg	1.73		102	72-123	0.570	25	
Toluene	1.84	0.87	"	1.73		106	72-126	1.64	25	
Ethylbenzene	1.88	0.87	"	1.73		109	71-125	3.79	25	
Xylenes (total)	5.52	0.87	"	5.19		106	67-127	5.01	25	
Methyl tert-butyl ether	1.74	0.87	"	1.73		101	71-127	5.04	25	
Di-isopropyl ether	1.81	0.87	"	1.75		103	62-99	1.64	25	QL-03
Ethyl tert-butyl ether	1.81	0.87	"	1.76		103	56-140	2.72	25	
Tert-amyl methyl ether	1.74	0.87	"	1.79		97.2	66-129	2.83	25	
Tert-butyl alcohol	36.8	17	"	34.0		108	42-124	17.4	25	
1,2-Dichloroethane	1.74	0.87	"	1.73		101	69-125	3.51	25	
Chlorobenzene	1.85	0.87	"	1.73		107	76-117	2.74	25	
1,3-Dichlorobenzene	1.84	0.87	"	1.73		106	71-125	6.16	25	
1,4-Dichlorobenzene	1.83	0.87	"	1.73		106	81-117	0.00	25	
1,2-Dichlorobenzene	1.81	0.87	"	1.73		105	82-115	0.554	25	

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Report Date: 08/05/05 08:42
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Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52606 - EPA 5035 GCMS										
LCS Dup (AG52606-BSD1)				Prepared: 07/23/05 Analyzed: 07/24/05						
1,2-Dibromoethane (EDB)	1.89	0.87	"	1.73		109	71-131	4.65	25	
Surrogate: Bromofluorobenzene	*5.15*		"	*4.33*		*119*	*64-151*			
Surrogate: Dibromofluoromethane	*3.72*		"	*4.33*		*85.9*	*68-133*			
Surrogate: Toluene-d8	*4.13*		"	*4.33*		*95.4*	*89-148*			
Matrix Spike (AG52606-MS1)	**Source: A507516-04**			Prepared: 07/23/05 Analyzed: 07/24/05						
Benzene	2.36	0.87	mg/kg	1.73	ND	136	49-137			
Toluene	2.42	0.87	"	1.73	ND	140	50-148			
Ethylbenzene	3.00	0.87	"	1.73	ND	136	55-138			
Xylenes (total)	7.23	0.87	"	5.19	ND	137	54-139			
Methyl tert-butyl ether	2.29	0.87	"	1.73	ND	132	50-140			
Di-isopropyl ether	2.49	0.87	"	1.75	ND	142	48-117			QM-05
Ethyl tert-butyl ether	2.48	0.87	"	1.76	ND	141	33-156			
Tert-amyl methyl ether	2.36	0.87	"	1.79	ND	132	37-153			
Tert-butyl alcohol	45.7	17	"	34.0	ND	134	48-127			QM-05
1,2-Dichloroethane	2.13	0.87	"	1.73	ND	123	47-149			
Chlorobenzene	2.35	0.87	"	1.73	ND	136	54-133			QM-05
1,3-Dichlorobenzene	2.28	0.87	"	1.73	ND	132	17-157			
1,4-Dichlorobenzene	2.30	0.87	"	1.73	ND	133	30-150			
1,2-Dichlorobenzene	2.28	0.87	"	1.73	ND	132	28-150			
1,2-Dibromoethane (EDB)	2.50	0.87	"	1.73	ND	145	35-156			
Surrogate: Bromofluorobenzene	*4.83*		"	*4.33*		*112*	*64-151*			
Surrogate: Dibromofluoromethane	*3.32*		"	*4.33*		*76.7*	*68-133*			
Surrogate: Toluene-d8	*3.97*		"	*4.33*		*91.7*	*89-148*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks
Project Manager

8/5/2005

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Volatile Organic Compounds by EPA Methods 8260B/5035 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52520 - EPA 5035 GCMS										
Blank (AG52520-BLK1)				Prepared: 07/21/05 Analyzed: 07/22/05						
Benzene	ND	0.0050	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.0050	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
Tert-butyl alcohol	ND	0.10	"							
1,2-Dichloroethane	ND	0.0050	"							
Chlorobenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Surrogate: Bromofluorobenzene	*0.0260*		"	*0.0250*		*104*	*74-138*			
Surrogate: Dibromofluoromethane	*0.0285*		"	*0.0250*		*114*	*75-137*			
Surrogate: Toluene-d8	*0.0296*		"	*0.0250*		*118*	*88-142*			
LCS (AG52520-BS1)				Prepared: 07/21/05 Analyzed: 07/22/05						
Benzene	0.00512	0.0050	mg/kg	0.00500		102	72-123			
Toluene	0.00565	0.0050	"	0.00500		113	72-126			
Ethylbenzene	0.00506	0.0050	"	0.00500		101	71-125			
Xylenes (total)	0.0155	0.0050	"	0.0150		103	67-127			
Methyl tert-butyl ether	0.00598	0.0050	"	0.00500		120	71-127			
Di-isopropyl ether	0.00539	0.0050	"	0.00507		106	62-99			QL-03
Ethyl tert-butyl ether	0.00541	0.0050	"	0.00508		106	56-140			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks
Project Manager

8/5/2005

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e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Volatile Organic Compounds by EPA Methods 8260B/5035 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52520 - EPA 5035 GCMS										
LCS (AG52520-BS1)				Prepared: 07/21/05 Analyzed: 07/22/05						
Tert-amyl methyl ether	0.00495	0.0050	"	0.00516		95.9	66-129			
Tert-butyl alcohol	0.0989	0.10	"	0.0982		101	42-124			
1,2-Dichloroethane	0.00530	0.0050	"	0.00500		106	64-117			
Chlorobenzene	0.00530	0.0050	"	0.00500		106	76-117			
1,3-Dichlorobenzene	0.00517	0.0050	"	0.00500		103	65-124			
1,4-Dichlorobenzene	0.00527	0.0050	"	0.00500		105	71-120			
1,2-Dichlorobenzene	0.00522	0.0050	"	0.00500		104	70-121			
1,2-Dibromoethane (EDB)	0.00524	0.0050	"	0.00500		105	70-132			
Surrogate: Bromofluorobenzene	*0.0264*		"	*0.0250*		*106*	*74-138*			
Surrogate: Dibromofluoromethane	*0.0256*		"	*0.0250*		*102*	*75-137*			
Surrogate: Toluene-d8	*0.0272*		"	*0.0250*		*109*	*88-142*			
LCS Dup (AG52520-BSD1)				Prepared: 07/21/05 Analyzed: 07/22/05						
Benzene	0.00520	0.0050	mg/kg	0.00500		104	72-123	1.55	25	
Toluene	0.00563	0.0050	"	0.00500		113	72-126	0.355	25	
Ethylbenzene	0.00505	0.0050	"	0.00500		101	71-125	0.198	25	
Xylenes (total)	0.0155	0.0050	"	0.0150		103	67-127	0.00	25	
Methyl tert-butyl ether	0.00611	0.0050	"	0.00500		122	71-127	2.15	25	
Di-isopropyl ether	0.00558	0.0050	"	0.00507		110	62-99	3.46	25	QL-03
Ethyl tert-butyl ether	0.00553	0.0050	"	0.00508		109	56-140	2.19	25	
Tert-amyl methyl ether	0.00522	0.0050	"	0.00516		101	66-129	5.31	25	
Tert-butyl alcohol	0.105	0.10	"	0.0982		107	42-124	5.98	25	
1,2-Dichloroethane	0.00540	0.0050	"	0.00500		108	64-117	1.87	25	
Chlorobenzene	0.00534	0.0050	"	0.00500		107	76-117	0.752	25	
1,3-Dichlorobenzene	0.00526	0.0050	"	0.00500		105	65-124	1.73	25	
1,4-Dichlorobenzene	0.00525	0.0050	"	0.00500		105	71-120	0.380	25	
1,2-Dichlorobenzene	0.00521	0.0050	"	0.00500		104	70-121	0.192	25	

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Nena M. Burgess For Sheri L. Speaks
Project Manager

8/5/2005

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Volatile Organic Compounds by EPA Methods 8260B/5035 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AG52520 - EPA 5035 GCMS										
LCS Dup (AG52520-BSD1)				Prepared: 07/21/05 Analyzed: 07/22/05						
1,2-Dibromoethane (EDB)	0.00551	0.0050	"	0.00500		110	70-132	5.02	25	
Surrogate: Bromofluorobenzene	*0.0266*		"	*0.0250*		*106*	*74-138*			
Surrogate: Dibromofluoromethane	*0.0260*		"	*0.0250*		*104*	*75-137*			
Surrogate: Toluene-d8	*0.0272*		"	*0.0250*		*109*	*88-142*			
Matrix Spike (AG52520-MS1)		**Source: A507500-01**		Prepared: 07/21/05 Analyzed: 07/22/05						
Benzene	0.00565	0.0050	mg/kg	0.00500	ND	113	49-137			
Toluene	0.00584	0.0050	"	0.00500	ND	117	50-148			
Ethylbenzene	0.00456	0.0050	"	0.00500	ND	91.2	55-138			
Xylenes (total)	0.0138	0.0050	"	0.0150	ND	92.0	54-139			
Methyl tert-butyl ether	0.00673	0.0050	"	0.00500	ND	103	50-140			
Di-isopropyl ether	0.00543	0.0050	"	0.00507	ND	107	48-117			
Ethyl tert-butyl ether	0.00538	0.0050	"	0.00508	ND	106	33-156			
Tert-amyl methyl ether	0.00504	0.0050	"	0.00516	ND	97.7	37-153			
Tert-butyl alcohol	0.0969	0.10	"	0.0982	ND	98.7	48-127			
1,2-Dichloroethane	0.00508	0.0050	"	0.00500	ND	102	55-125			
Chlorobenzene	0.00485	0.0050	"	0.00500	ND	97.0	54-133			
1,3-Dichlorobenzene	0.00389	0.0050	"	0.00500	ND	77.8	45-138			
1,4-Dichlorobenzene	0.00473	0.0050	"	0.00500	ND	94.6	60-136			
1,2-Dichlorobenzene	0.00465	0.0050	"	0.00500	ND	93.0	36-156			
1,2-Dibromoethane (EDB)	0.00510	0.0050	"	0.00500	ND	102	36-156			
Surrogate: Bromofluorobenzene	*0.0251*		"	*0.0250*		*100*	*74-138*			
Surrogate: Dibromofluoromethane	*0.0256*		"	*0.0250*		*102*	*75-137*			
Surrogate: Toluene-d8	*0.0276*		"	*0.0250*		*110*	*88-142*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks
Project Manager

8/5/2005

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 08/05/05 08:42
Project No: 3034.01
Project ID: Tipple Motors

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A507529	07/22/2005 14:35	TRANSTEC	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
R-11	All samples and QC in the batch were analyzed to meet high-level reporting limits.
R-06	The Reporting Limits for this analysis have been raised to account for matrix interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QL-03	Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
D-06	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
PQL	Practical Quantitation Limit

WORK ORDER
CHAIN OF CUSTODY RECORD

Alpha Analytical Laboratories Inc. • 208 Mason Street, Ukiah, CA 95482 • (707) 468-0401 • FAX (707) 468-5267

DATE 7/19/05 PAGE 1 OF 1

CLIENT'S NAME: Jack Tipple	PROJECT MANAGER: Bill Wiggins
STREET ADDRESS: 524 Main St. CITY: Ferndale STATE: CA ZIP:	PHONE NUMBER:
PROJECT NAME: Tipple Motors	FAX NUMBER:
CONTRACT/PURCHASE ORDER/QUOTE NUMBER: 3034.01	SITE CONTACT:
SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM.	SAMPLED BY: Brian Hasik

ANALYSES: TPH-GAS; TPH-Diesel; BTEX + 5 OXY; Pb Scavengers

SAMPLE CONDITION ON RECEIPT:

COLD/ICED? _____

BUBBLES OR AIR SPACE? _____

WERE SAMPLES PRESERVED? _____

SAMPLE NUMBER/IDENTIFICATION	DATE	TIME	LAB SAMPLE NUMBER	SAMPLE TYPE: LIQ	AIR	SOLID	COMP	GRAB	NO. OF CONTS.	TPH-GAS	TPH-Diesel	BTEX + 5 OXY	Pb Scavengers	EXPLAIN IRREGULARITIES BELOW
MW-8-5	7/19	2:10	A507290 1			X		X	1	X	X	X	X	
MW-8-14.5	7/19	4:15	2			X		X	4	X	X	X	X	EPA 5035
														GeoTracker
														T0600300046

RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE 7/22/05	TIME 1320
RELINQUISHED BY: (SIGNATURE) R Schultz 7-22-1435	RECEIVED BY: (SIGNATURE)	DATE 7/22/05	TIME 1435
RELINQUISHED BY: (SIGNATURE)	RECEIVED FOR LABORATORY BY:	SAMPLE CONTROL OFFICER	
METHOD OF SHIPMENT	AUTHORIZED BY:		

TURN AROUND TIME REQUESTED: STANDARD

SPECIAL INSTRUCTIONS

DRIVING TIME	SITE TIME	TOTAL TIME
1.0		

SAMPLE DESPOSITION:

1. STORAGE TIME REQUESTED _____ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES: THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.)
2. SAMPLE TO BE RETURNED TO CLIENT? ☐ YES ☐ NO

HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE.

APPENDIX E

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Brian Hasik
Trans Tech Consultants
930 Shiloh Rd., Building 44, Suite J
Windsor, CA 95492

Subject : 8 Water Samples and 1 Vapor Sample
Project Name : Tipple Motors
Project Number : 3034.01

Dear Mr. Hasik,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Subject : 8 Water Samples and 1 Vapor Sample
Project Name : Tipple Motors
Project Number : 3034.01

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-1 for the analyte Tert-Butanol were affected by the analyte concentrations already present in the un-spiked sample.

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-2 and MW-8.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-1** Matrix : Water Lab Number : 46153-01
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	**44**	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	**16**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	**54**	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	99.9		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-2** Matrix : Water Lab Number : 46153-02
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1500**	3.0	ug/L	EPA 8260B	10/01/2005
Toluene	**14**	3.0	ug/L	EPA 8260B	10/01/2005
Ethylbenzene	**52**	3.0	ug/L	EPA 8260B	10/01/2005
Total Xylenes	**23**	3.0	ug/L	EPA 8260B	10/01/2005
Methyl-t-butyl ether (MTBE)	**16**	3.0	ug/L	EPA 8260B	10/01/2005
Diisopropyl ether (DIPE)	**65**	3.0	ug/L	EPA 8260B	10/01/2005
Ethyl-t-butyl ether (ETBE)	**< 3.0**	3.0	ug/L	EPA 8260B	10/01/2005
Tert-amyl methyl ether (TAME)	**< 3.0**	3.0	ug/L	EPA 8260B	10/01/2005
Tert-Butanol	**< 15**	15	ug/L	EPA 8260B	10/01/2005
TPH as Gasoline	**6500**	300	ug/L	EPA 8260B	10/01/2005
1,2-Dichloroethane	**23**	5.0	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	**< 5.0**	5.0	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	90.7		% Recovery	EPA 8260B	10/01/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/01/2005
Dibromofluoromethane (Surr)	108		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	98.5		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	**< 1000**	1000	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-3** Matrix : Water Lab Number : 46153-03
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Diisopropyl ether (DIPE)	**0.59**	0.50	ug/L	EPA 8260B	09/29/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	09/29/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	09/29/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/29/2005
Toluene - d8 (Surr)	93.3		% Recovery	EPA 8260B	09/29/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	09/29/2005
Dibromofluoromethane (Surr)	115		% Recovery	EPA 8260B	09/29/2005
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	09/29/2005
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	98.6		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-4** Matrix : Water Lab Number : 46153-04
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**6.6**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	**18**	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	**22**	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	**170**	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	**0.60**	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	95.4		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	113		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	**320**	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-5** Matrix : Water Lab Number : 46153-05
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	**16**	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	**110**	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	113		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	**230**	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-6** Matrix : Water Lab Number : 46153-06
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	**3.6**	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	114		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	**94**	50	ug/L	M EPA 8015	09/30/2005
Octacosane (Diesel Surrogate)	117		% Recovery	M EPA 8015	09/30/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-7** Matrix : Water Lab Number : 46153-07
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	112		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **MW-8** Matrix : Water Lab Number : 46153-08
Sample Date :09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**680**	2.0	ug/L	EPA 8260B	09/30/2005
Toluene	**58**	2.0	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	**400**	2.0	ug/L	EPA 8260B	09/30/2005
Total Xylenes	**390**	2.0	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	**< 2.0**	2.0	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	**440**	2.0	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	**< 2.0**	2.0	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	**< 2.0**	2.0	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	**10**	9.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	**12000**	200	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	**170**	2.0	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	**< 2.0**	2.0	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	92.5		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	102		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	94.4		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	**< 3000**	3000	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	09/29/2005

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KIFF Analytical LLC

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Sample : **BLDG-1A** Matrix : Air Lab Number : 46153-09
Sample Date :09/23/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	09/28/2005
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	09/28/2005
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	09/28/2005
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	09/28/2005
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	09/28/2005
Toluene - d8 (Surr)	97.9		% Recovery	EPA 8260B	09/28/2005
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	09/28/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 46153

Date : 10/03/2005

Project Name : **Tipple Motors**

Project Number : **3034.01**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	983	979	ug/L	M EPA 8015	9/29/05	98.3	97.9	0.449	70-130	25
TPH as Diesel	Blank	<50	1000	1000	975	1050	ug/L	M EPA 8015	9/30/05	97.5	105	7.33	70-130	25
Benzene	46185-01	<0.50	40.0	40.0	40.3	38.9	ug/L	EPA 8260B	9/29/05	101	97.3	3.53	70-130	25
Toluene	46185-01	<0.50	40.0	40.0	39.1	38.3	ug/L	EPA 8260B	9/29/05	97.7	95.6	2.11	70-130	25
Tert-Butanol	46185-01	<5.0	200	200	230	226	ug/L	EPA 8260B	9/29/05	115	113	1.50	70-130	25
Methyl-t-Butyl Ether	46185-01	<0.50	40.0	40.0	37.4	37.7	ug/L	EPA 8260B	9/29/05	93.6	94.4	0.809	70-130	25
Benzene	46161-01	1.0	40.0	40.0	37.2	36.1	ug/L	EPA 8260B	9/29/05	90.4	87.8	2.92	70-130	25
Toluene	46161-01	0.86	40.0	40.0	36.4	35.1	ug/L	EPA 8260B	9/29/05	88.8	85.7	3.52	70-130	25
Tert-Butanol	46161-01	11000	200	200	10900	10800	ug/L	EPA 8260B	9/29/05	90.9	27.3	108	70-130	25
Methyl-t-Butyl Ether	46161-01	37	40.0	40.0	73.9	74.0	ug/L	EPA 8260B	9/29/05	91.8	92.0	0.187	70-130	25
Benzene	46186-03	<0.50	40.0	40.0	40.1	38.2	ug/L	EPA 8260B	9/30/05	100	95.6	4.66	70-130	25
Toluene	46186-03	<0.50	40.0	40.0	32.0	30.6	ug/L	EPA 8260B	9/30/05	80.1	76.5	4.60	70-130	25
Tert-Butanol	46186-03	<5.0	200	200	181	179	ug/L	EPA 8260B	9/30/05	90.7	89.6	1.18	70-130	25
Methyl-t-Butyl Ether	46186-03	<0.50	40.0	40.0	45.8	43.8	ug/L	EPA 8260B	9/30/05	114	109	4.55	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Report Number : 46153
Date : 10/03/2005

Project Name : **Tipple Motors**
Project Number : **3034.01**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	9/29/05	102	70-130
Toluene	40.0	ug/L	EPA 8260B	9/29/05	96.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/29/05	112	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/29/05	93.0	70-130
Benzene	40.0	ug/L	EPA 8260B	9/29/05	91.0	70-130
Toluene	40.0	ug/L	EPA 8260B	9/29/05	93.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/29/05	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/29/05	89.8	70-130
Benzene	40.0	ug/L	EPA 8260B	9/30/05	99.2	70-130
Toluene	40.0	ug/L	EPA 8260B	9/30/05	84.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/30/05	90.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/30/05	112	70-130

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2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By: Joel Kiff

QC Report : Method Blank Data

Project Name : **Tipple Motors**

Project Number : **3034.01**

Report Number : 46153

Date : 10/03/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	110		%	M EPA 8015	09/29/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	09/30/2005
Octacosane (Diesel Surrogate)	114		%	M EPA 8015	09/30/2005
Benzene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
Toluene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	09/28/2005
Toluene - d8 (Surr)	98.0		%	EPA 8260B	09/28/2005
4-Bromofluorobenzene (Surr)	96.6		%	EPA 8260B	09/28/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	09/29/2005
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	09/29/2005
Dibromofluoromethane (Surr)	111		%	EPA 8260B	09/29/2005
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	09/29/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Toluene - d8 (Surr)	97.6		%	EPA 8260B	09/29/2005
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	09/29/2005
Dibromofluoromethane (Surr)	99.5		%	EPA 8260B	09/29/2005
1,2-Dichloroethane-d4 (Surr)	98.1		%	EPA 8260B	09/29/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	85.3		%	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	09/30/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. ~~26153~~ 46153 (JNH)

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Brian Hasik
Company / Address: 930 Shiloh Rd., Building 44, Suite J, Windsor, CA 95492
Phone #: (707) 575-8622
Fax #:
Project #: 3034.01
P.O. #:
Project Name: Tipple Motors
Project Address: 524 Main St. Ferndale, CA

California EDF Report? ☒ Yes ☐ No
Sampling Company Log Code:
Global ID: T0602300046
EDF Deliverable To (Email Address): lleehuevitz@transtechconsultants.com
Sampler Signature: [signature]

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☒ 1 wk

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	CO_2	Lab
MW-1	9/22/05	2:45	X					X			X					X	X	X		X				X					01
MW-2		3:10	X					X			X					X	X	X		X				X					02
MW-3		2:25	X					X			X					X	X	X		X				X					03
MW-4		3:05	X					X			X					X	X	X		X				X					04
MW-5		2:55	X					X			X					X	X	X		X				X					05
MW-6		2:35	X					X			X					X	X	X		X				X					06
MW-7		2:15	X					X			X					X	X	X		X				X					07
MW-8		4:20	X					X			X					X	X	X		X				X					08
BLDG-1A	9/23/05	12:30					X			X			X			X	X												09
MW-2A	9/23/05	12:40					X			X			X															X	10

Relinquished by:	Date	Time	Received by:
[signature]	9/26/05	8:00	
	092605	1205	Received by Laboratory: Jason [signature] Kiff Analytical

Remarks: RUN CO_2 regardless of hold time

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.2	JNH	092605	1505	IR-1	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0509579

Work Order Summary

CLIENT:	Mr. Scott Forbes Kiff Analytical 2795 2nd Street Suite 300 Davis, CA 95616	**BILL TO:**	Mr. Scott Forbes Kiff Analytical 2795 2nd Street Suite 300 Davis, CA 95616
PHONE:	530-297-4800	**P.O. #**	46153
FAX:	530-297-4808	**PROJECT #**	3034.01 Tipple Motors
DATE RECEIVED:	09/27/2005	**CONTACT:**	Nicole Danbacher
DATE COMPLETED:	10/03/2005		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	MW-2A	Modified ASTM D-1946	Tedlar Bag
01AA	MW-2A Duplicate	Modified ASTM D-1946	Tedlar Bag
02A	Lab Blank	Modified ASTM D-1946	NA
03A	LCS	Modified ASTM D-1946	NA

CERTIFIED BY: Linda D. Truman DATE: 10/03/05

Laboratory Director

Certfication numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Kiff Analytical
Workorder# 0509579

One 1 Liter Tedlar Bag sample was received on September 27, 2005. The laboratory performed analysis via Modified ASTM Method D-1946 for Carbon Dioxide using GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples include:

Requirement	*ASTM D-1946*	*ATL Modifications*
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 30% RPD for detections > 5 X's the RL.

Receiving Notes

Sample was received past the recommended hold time of 3 days. The discrepancy was noted in the Sample Receipt Confirmation email/fax and the analysis proceeded.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

Client Sample ID: MW-2A

Lab ID#: 0509579-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092722b	Date of Collection:	9/23/05
Dil. Factor:	1.00	Date of Analysis:	9/27/05 03:40 PM

Compound	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	0.010	13

Container Type: 1 Liter Tedlar Bag

AIR TOXICS LTD.

Client Sample ID: MW-2A Duplicate

Lab ID#: 0509579-01AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092723b	Date of Collection:	9/23/05
Dil. Factor:	1.00	Date of Analysis:	9/27/05 04:10 PM

Compound	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	0.010	13

Container Type: 1 Liter Tedlar Bag

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0509579-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092703	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/27/05 08:13 AM	

Compound	Rpt. Limit (%)	Amount (%)
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0509579-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092724	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/27/05 04:34 PM	

Compound	%Recovery
Carbon Dioxide	100

Container Type: NA - Not Applicable

KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Air Toxics
180 Blue Ravine Rd, Suite B
Folsom, CA 95630
tel: 916-985-1000

Lab No. _____ Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Scott Forbes

Company/Address: Kiff Analytical, LLC

Phone No.: FAX No.:

Project Number: 3034.01 P.O. No.: 46153

Project Name: Tipple Motors

Project Address:

EDF Report? _X_ Yes __ No

Recommended but not mandatory to complete this section:

Sampling Company Log Code: PENDING

Global ID: T0602300046

EDF Deliverable to (Email Address): inbox@kiffanalytical.com

E-mail address: inbox@kiffanalytical.com

	Sampling		Container					Preservative				Matrix			Analysis Request								Date due:	For Lab Use Only
Sample Designation	Date	Time	Glass Jar	Poly	Amber	TEDLAR	Passer Tube	HCl	HNO3	ICE	NONE	WATER	SOIL	AIR	CO_2								October 3, 2005	
01A MW-2A	9/23/05	12:40				1					X			X	X								X	

CUSTODY SEAL INTACT?
Y N NONE TEMP____

Relinquished by:	Date	Time	Received by:
[signature] Kiff Analytical	092605	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory: [signature] ATL 9/27/05

Remarks: OK TO RUN TEST REGARDLESS OF HOLD TIME.

Bill to: Accounts Payable

0509579